

FIG. 1A

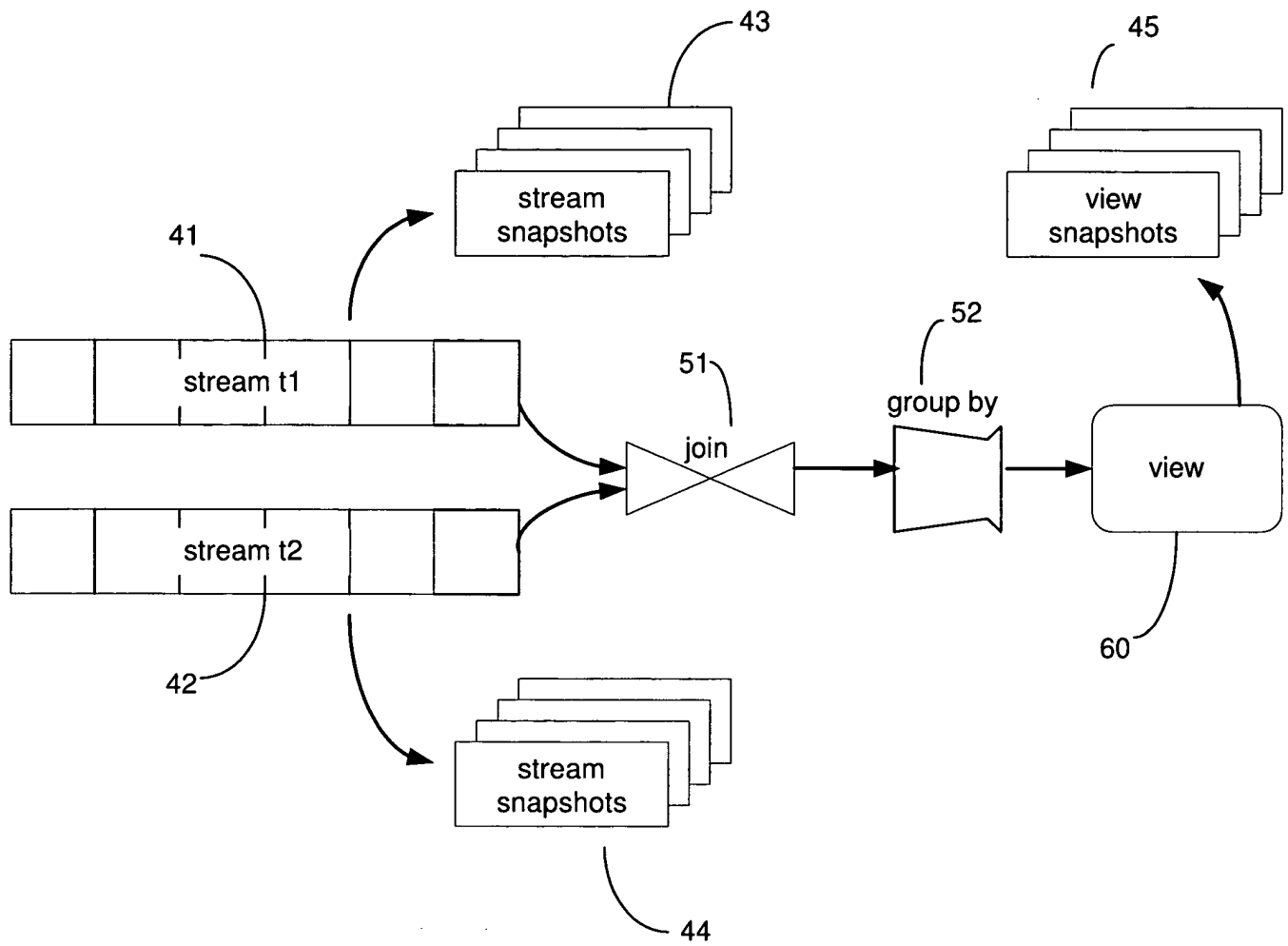


FIG. 1B

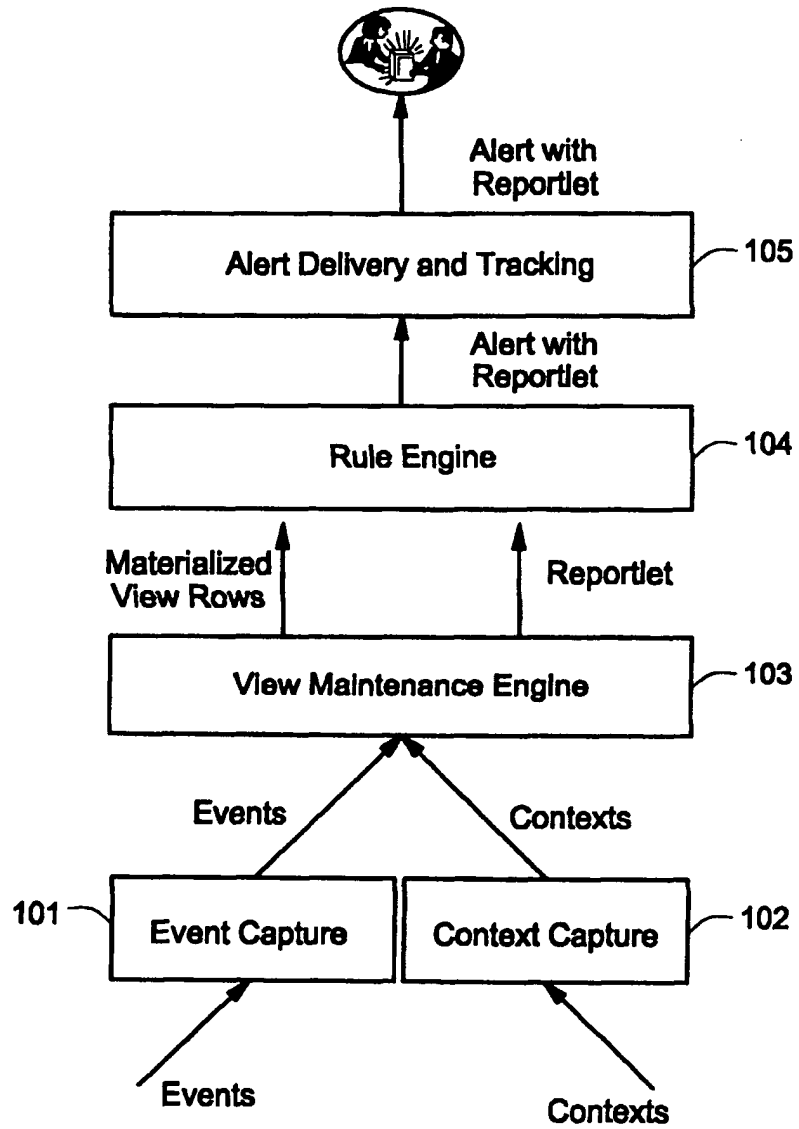


FIG. 1C

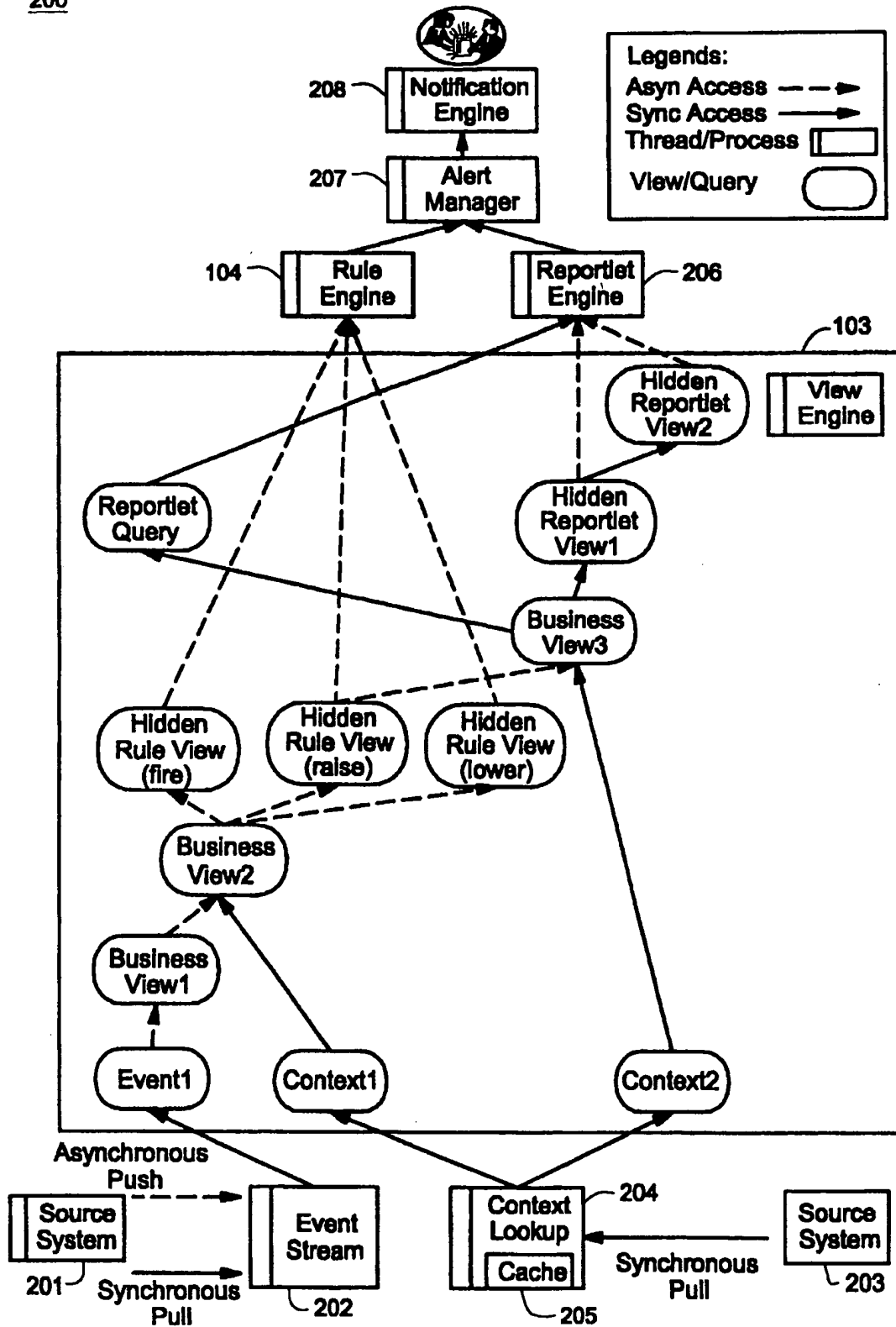


FIG. 2

View Maintenance Network
(Operator Graph)

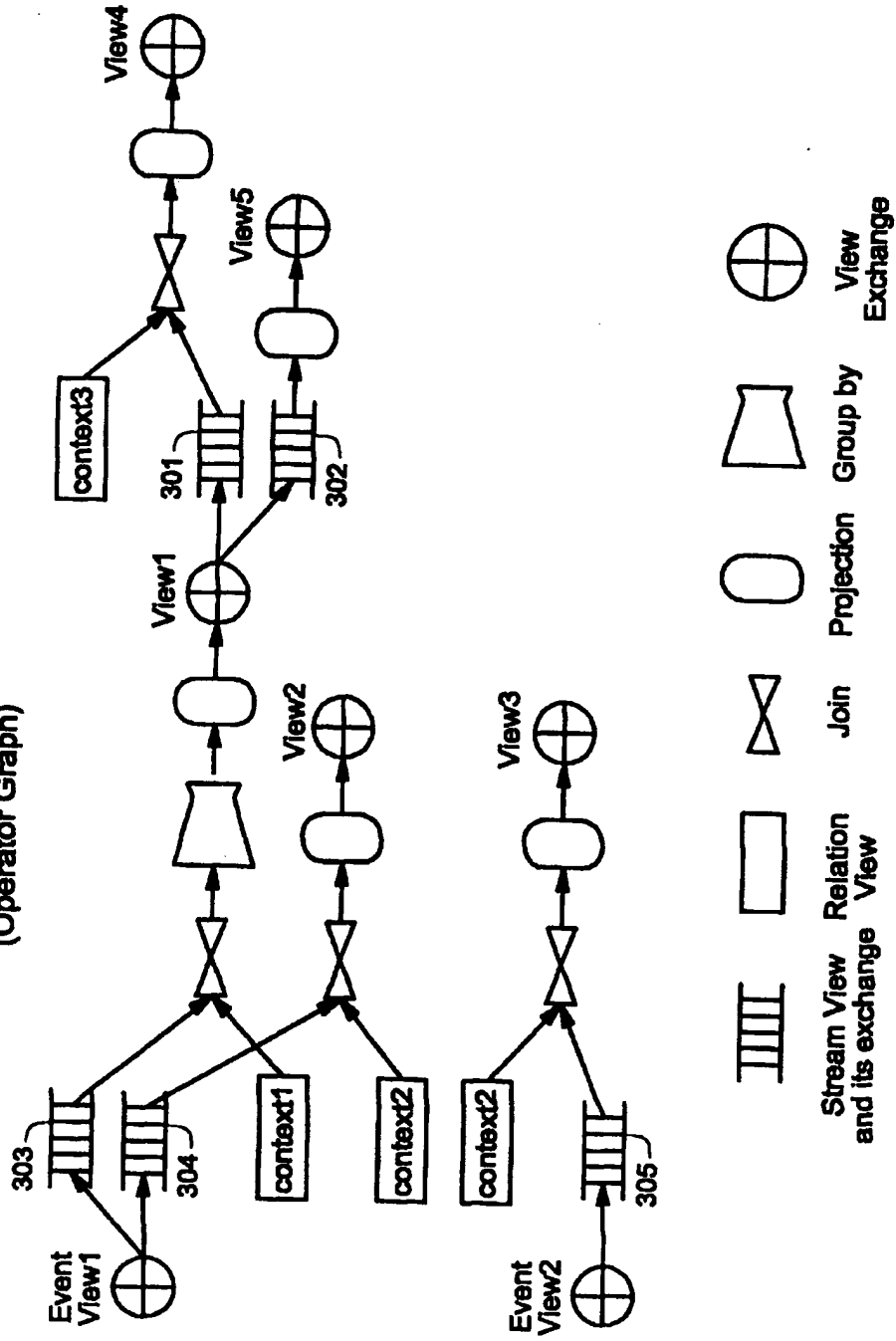


FIG. 3

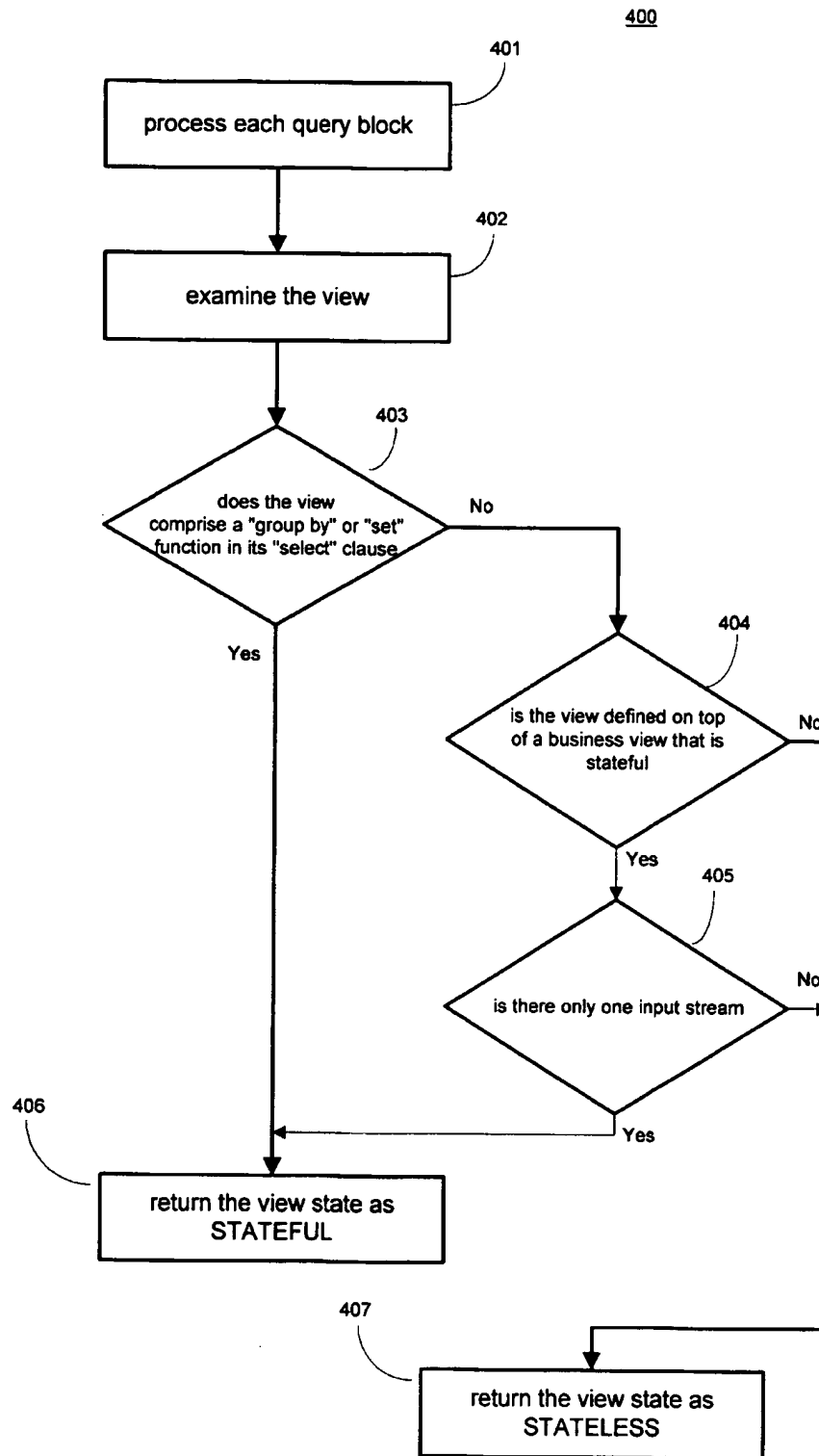


FIG. 4A

450

452 {
select t₁.c₁
from t₁
where t₁.c₁ = t₁.c₃ and
t₁.c₂ in
(select t₂.c₁
from t₂
group by t₂.c₃)

FIG. 4B

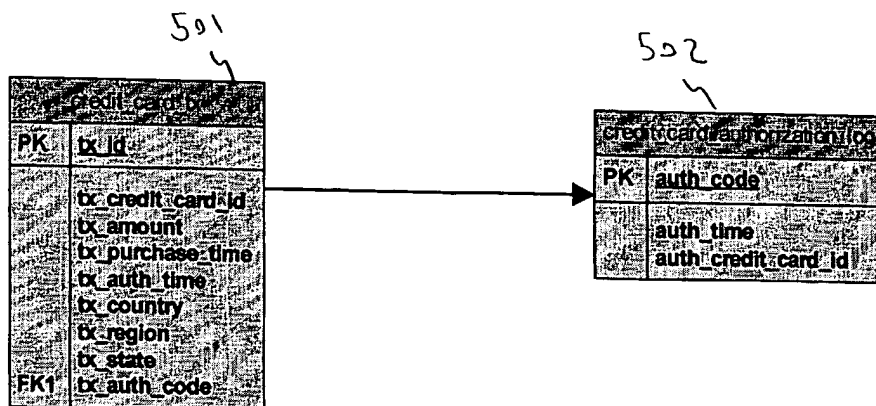


FIG. 5

BEST AVAILABLE COPY

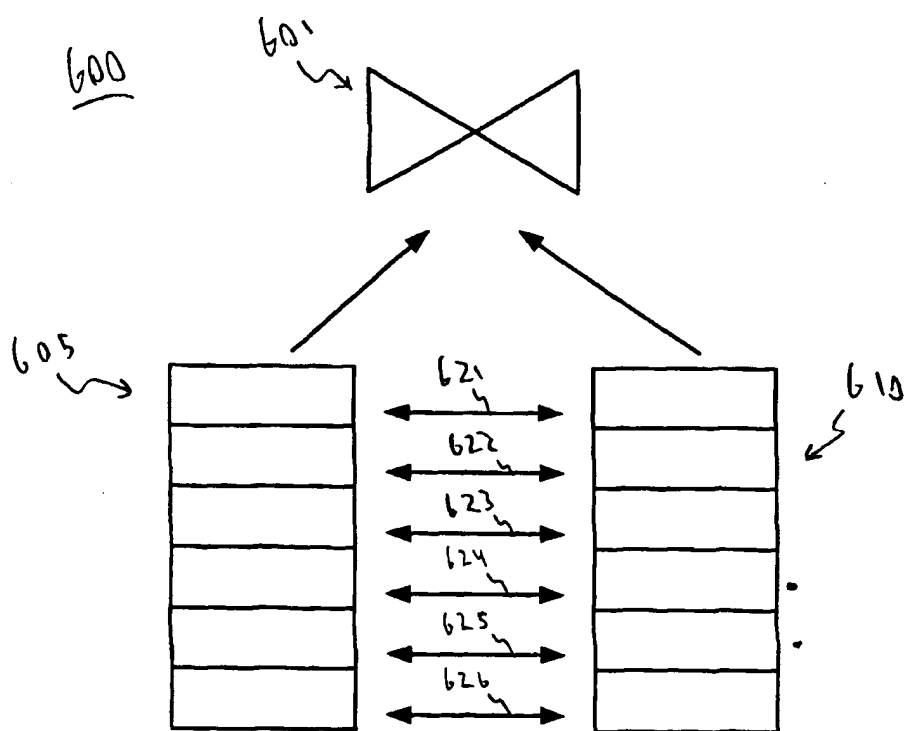


FIG. 6

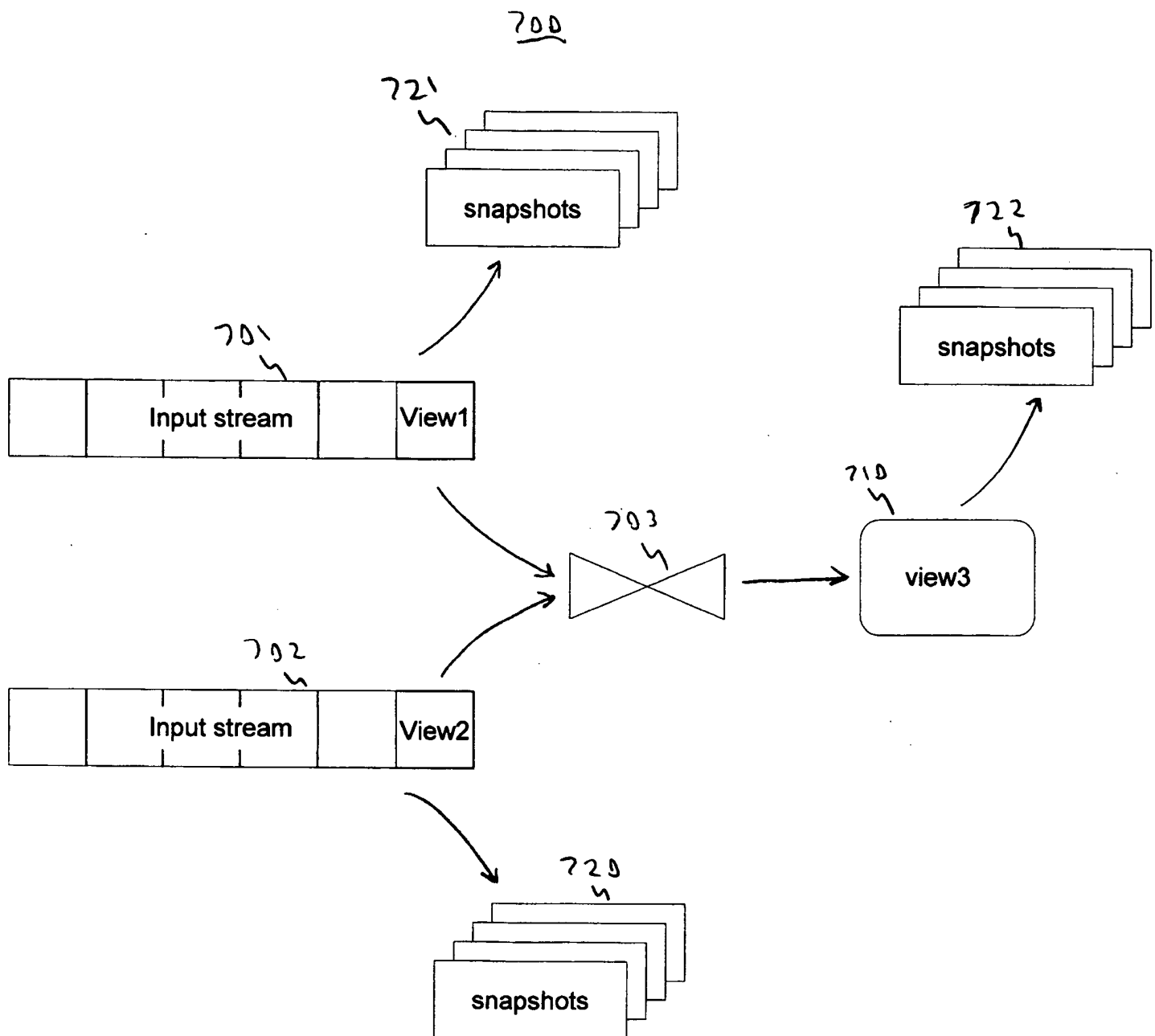


FIG. 7